

Name: _____

at1110paper__practice__test (v45)

1. Expand the following expression into standard form.

$$(3x - 4)^2$$

2. Expand the following expression into standard form.

$$(9x + 2)(9x - 2)$$

3. Expand the following expression into standard form.

$$(9x + 8)(6x - 5)$$

4. Factor the expression.

$$25x^2 - 49$$

5. Solve the equation.

$$6x^2 - 20x + 7 = 3x^2 - 4x + 2$$

6. Solve the equation with factoring by grouping.

$$8x^2 - 12x - 10x + 15 = 0$$

7. Solve the equation.

$$(8x + 5)(9x + 4) = 0$$

8. Factor the expression.

$$x^2 - 9x + 14$$